

Date: Sun, 17 Jul 94 04:30:17 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V94 #198
To: Ham-Homebrew

Ham-Homebrew Digest Sun, 17 Jul 94 Volume 94 : Issue 198

Today's Topics:

 AM/FM Fax converter for use w/ HamComm interface & JVFAX (long!)
 IC Mixers with good Dynamic Range???
 RS trimmer caps

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Fri, 15 Jul 1994 11:08:12 +0000
From: pipex!demon!abacus!dmb@uunet.uu.net
Subject: AM/FM Fax converter for use w/ HamComm interface & JVFAX (long!)
To: ham-homebrew@ucsd.edu

In article <2vu9vn\$hd2@nanette.pdb.sni.de>,
W.F.Schroeder <schroeder.pad@sni.de> wrote:
>AM/FM converter for wefax reception using JVFAX and the HamComm interface.

Thanks for posting the info Django. Has anyone the time to translate the
documentation, and has anyone tried this circuit out ? Tips on antenna/rx etc.
much appreciated. I hear good things about Hamcom regularly, and would be
interested to try it out for wxsat if I can get hold of a suitable rx.

73

David.

--

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Here's a koan: If you have ice-cream I will give you some. If you have none,
I will take it away from you. (it's an ice-cream koan).

Date: 15 Jul 1994 20:00:03 -0400
From: newstf01.cr1.aol.com!search01.news.aol.com!not-for-mail@uunet.uu.net
Subject: IC Mixers with good Dynamic Range???
To: ham-homebrew@ucsd.edu

Does anyone have any personal preferences for HF mixers with good
dynamic range?
Specifically are the very best mixers still discrete, or does someone make
an IC mixer with low enough noise to use in a First Class HF RX with a
preamp?
How good is the dynamic range??
Whats the IP3 point etc...

Thanks in advance!

Paul Breed
KL7JG

PaulBreed@aol.com

Date: 16 Jul 94 08:20:21 GMT
From: news.delphi.com!BIX.com!jdow@uunet.uu.net
Subject: RS trimmer caps
To: ham-homebrew@ucsd.edu

jeffrey@kahuna.tmc.edu (Jeffrey Herman) writes:

>Those of you who build homebrew RF stuff know that variable capacitors
>are scarce. In applications which require one setting of a variable
>cap upon tuning up then never needs to be touched again I've been
>using trimmers. In particular, I've been using Radio Shack's mica
>trimmer, 95-420 pF 100VDC stock # 272-1339. They're in 80M and
>30M transmitters I've built. But RS has discontinued to stock
>this item so I suggest you get what ever is left at your local
>store; they're on sale for \$1.47 each.

>Jeff NH6IL
Just don't bother to even try to use them at even moderately high frequencies.
(At 6 meters they'd be ill. At 220MHz or above they are death.)

Someone at Rockwell had designed a 20 watt transistor amp for a project we had. It used mica compression trimmers at 240MHz. It was a bear to tune up and performed rather poorly. Another engineer removed the compression trimmers and put in Johansen ceramic slug type trimmers. (Not the little round pills.) He took out the driver stage and one of the two transistors in the PA. When tuned up it gave more power output for less power input. I get amazed every time I open something that is supposed to work at frequencies above 200Mhz and see such beasts. (I note that the 35 watt PA in the 450MHz Syntor I have has one. <sigh>)

{^_^} Joanne Dow, Editor Amiga Exchange, BIX
jdow@bix.com

Date: Fri, 15 Jul 1994 12:33:44 GMT
From: psinntp!arrl.org!zlau@uunet.uu.net
To: ham-homebrew@ucsd.edu

References <199407091130.EAA13852@ucsd.edu>,
<9407110930.aa16788@argos.ee.surrey.ac.uk>,
<1994Jul14.011733.8388@ke4zv.atl.ga.us>
Subject : Re: RSGB BOOK

Gary Coffman KE4ZV (gary@ke4zv.atl.ga.us) wrote:

: The DX book is worthwhile for the propagation section alone. They're
: both great resources, buy them both, and the two volume Microwave set
: as well. While a lot of the circuitry in the project section is based
: on European components, the wealth of ideas is incredible. I've rarely
: been disappointed buying a RSGB publication. The quality of writing is
: also a large cut above the typical ARRL publication.

Yeah, its probably due to the low standards of the people who buy our publications. I'm not much of a writer--having never taken a single college level writing course, but people constantly ask me to write up more of the stuff I've developed. They ought to bug *real* writers.

--
Zack Lau KH6CP/1 2 way QRP WAS
 8 States on 10 GHz
Internet: zlau@arrl.org 10 grids on 2304 MHz

End of Ham-Homebrew Digest V94 #198
